

Figure 1a Prior Art

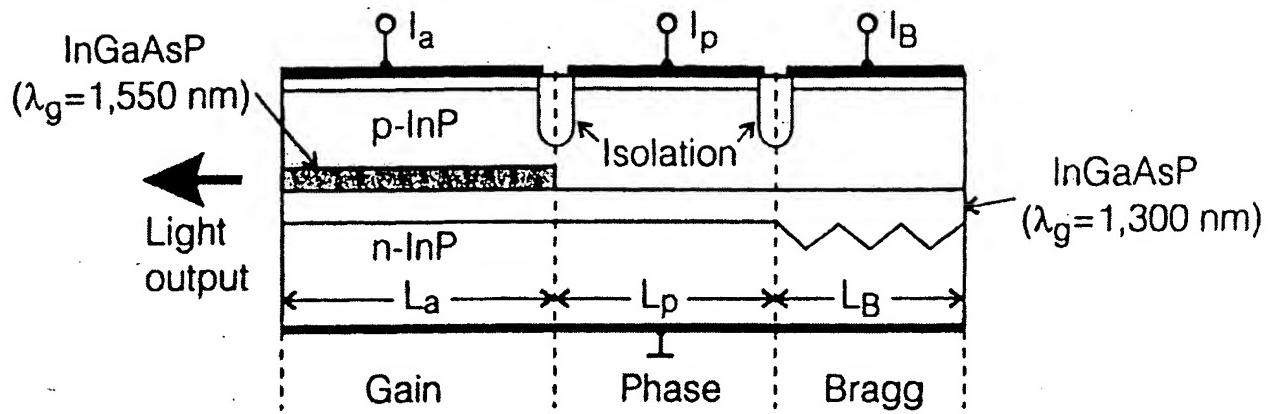


Figure 1b Prior Art

Figure 2a

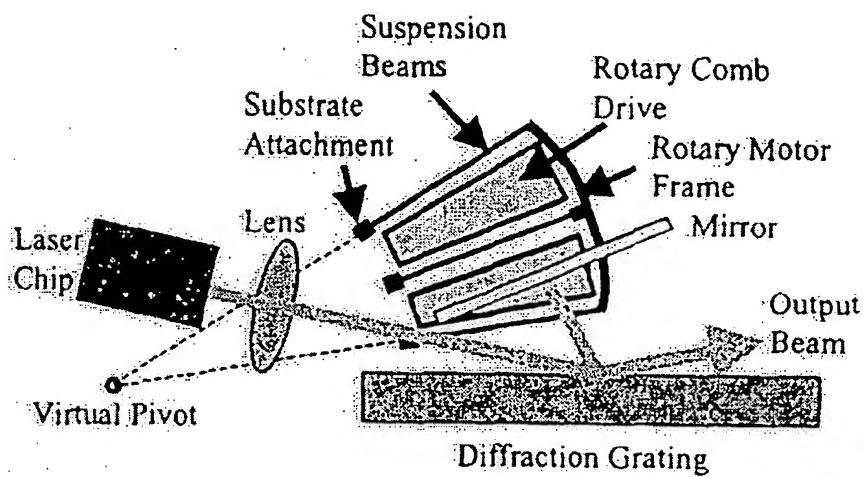
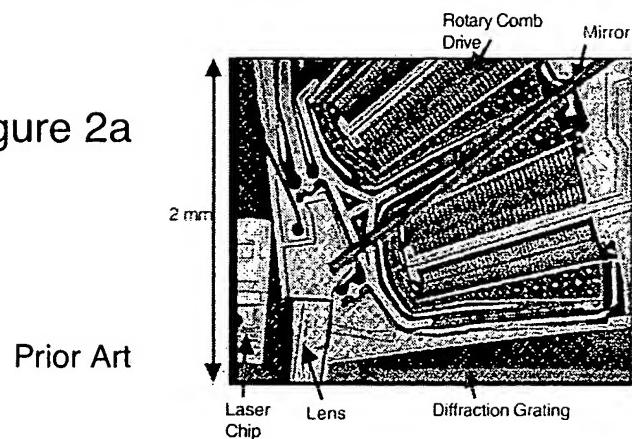
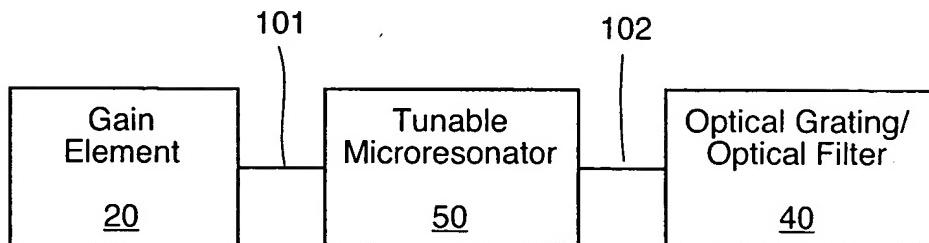


Figure 2b Prior Art



100

Figure 3

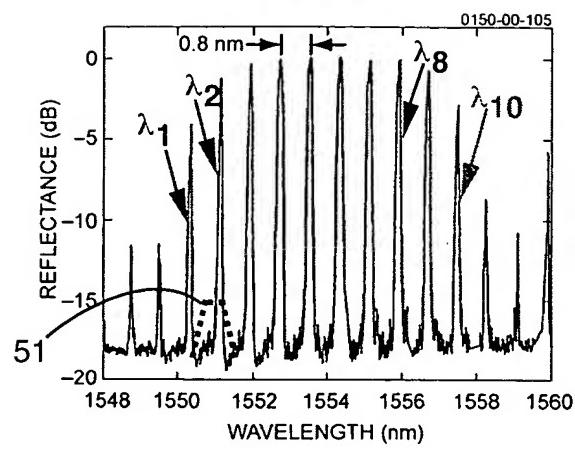


Figure 4a

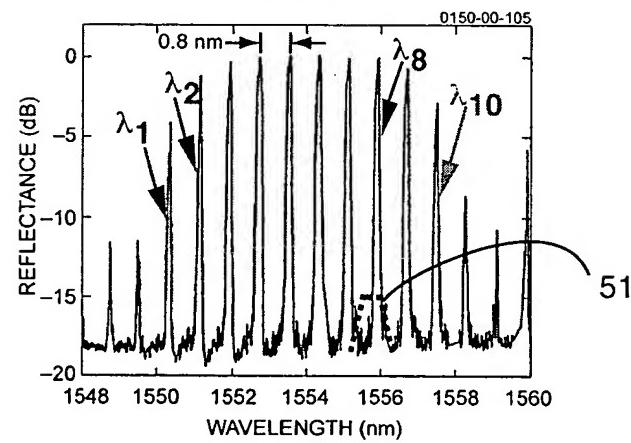


Figure 4b

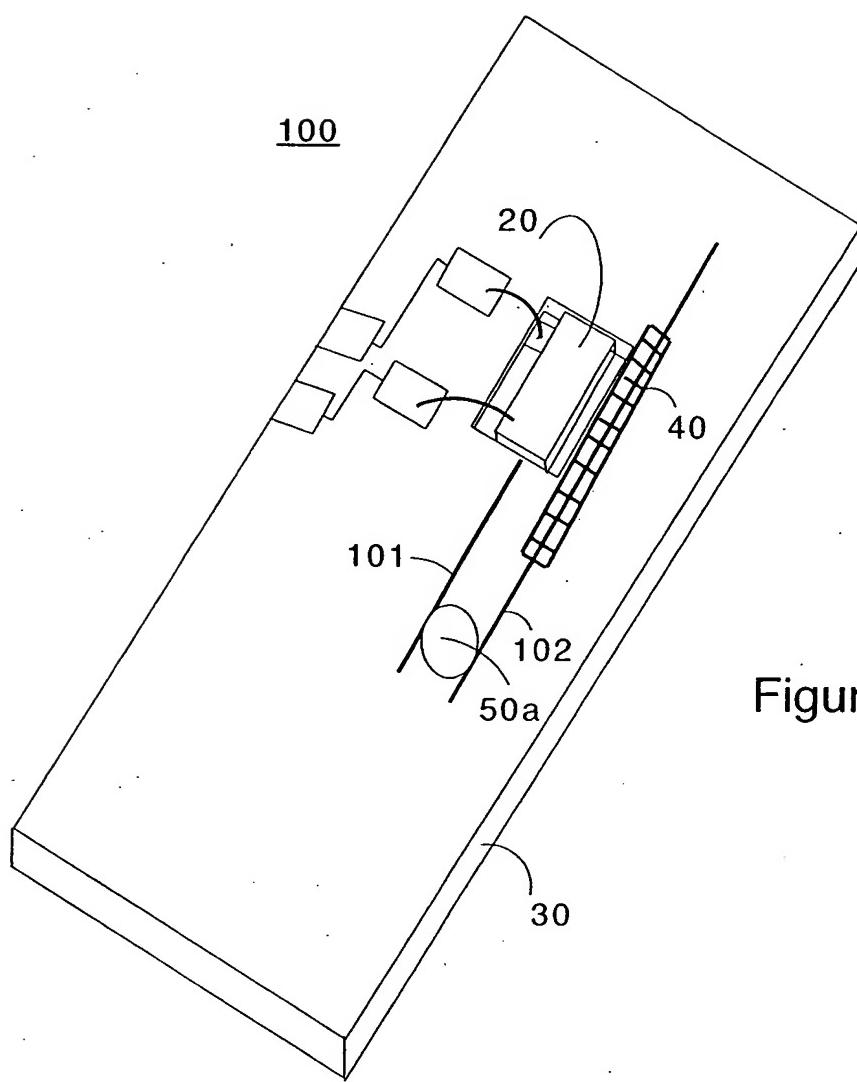


Figure 5

20

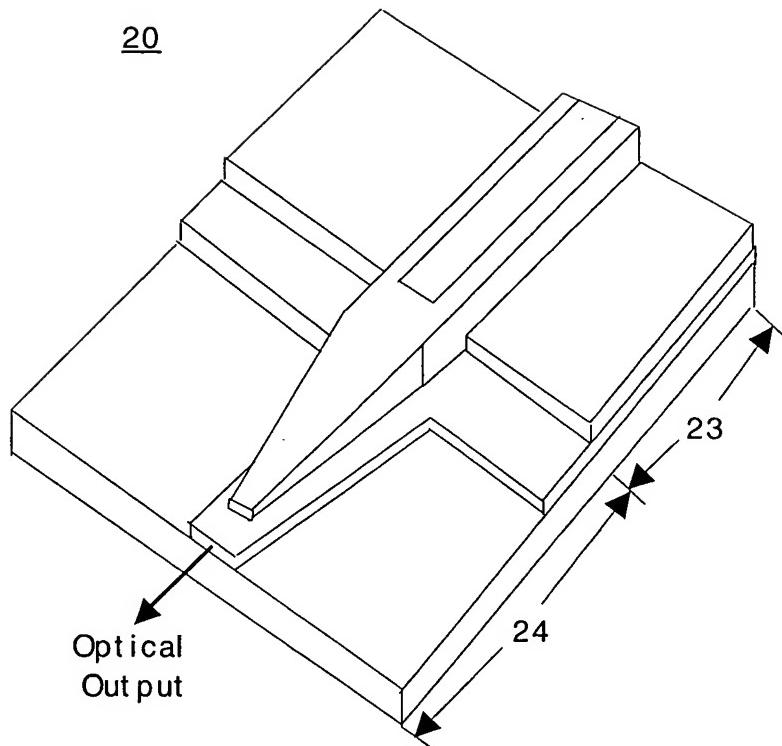


Figure 6

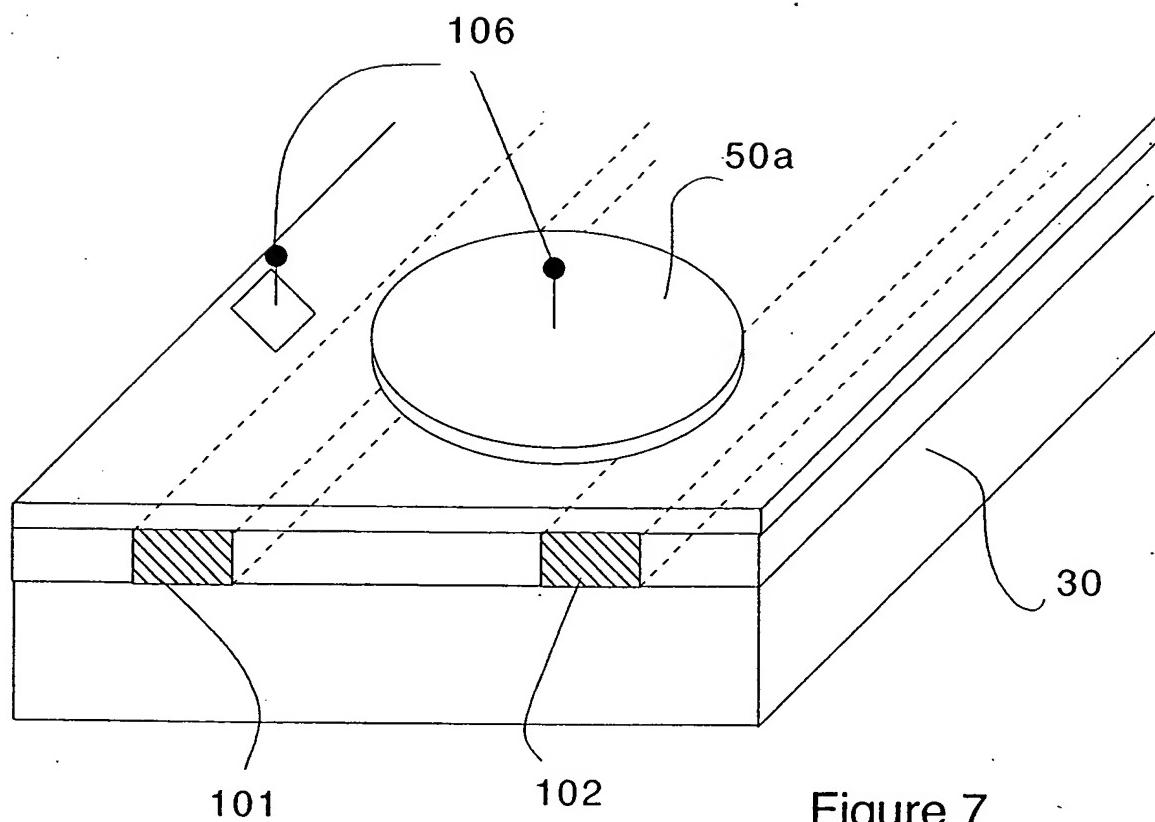


Figure 7

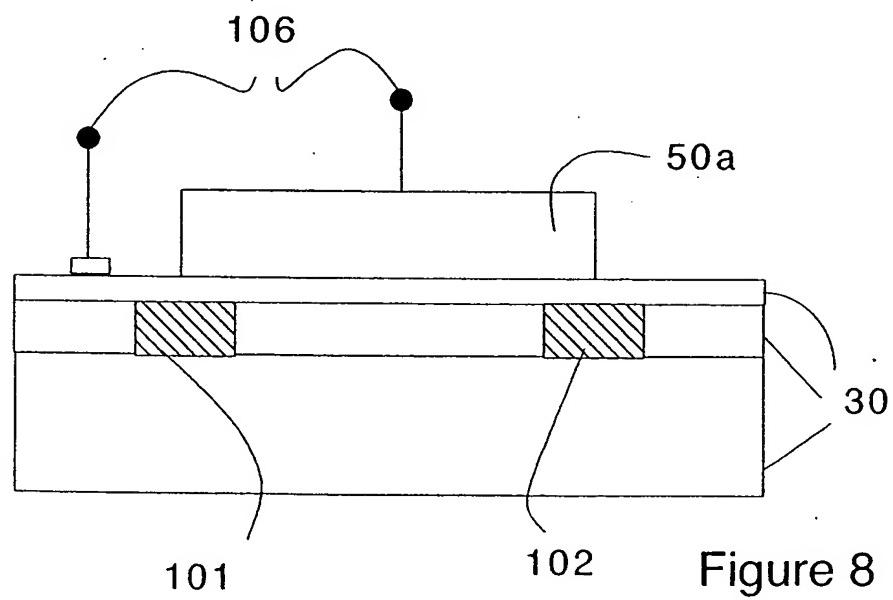


Figure 8

200

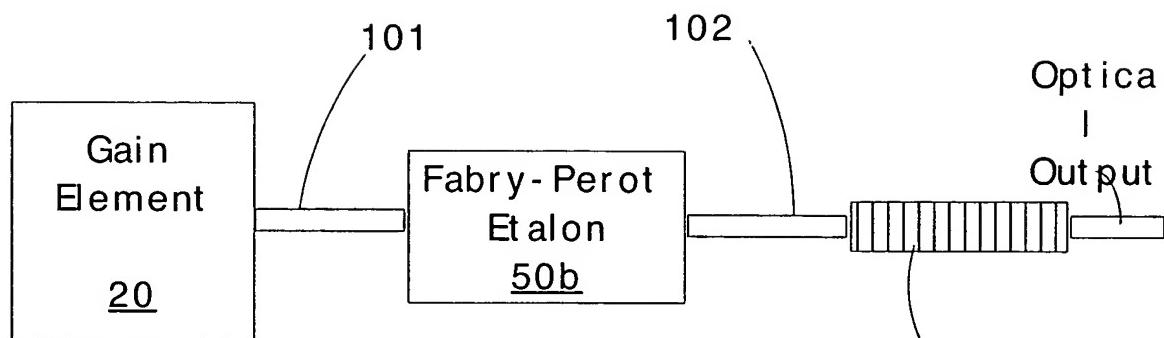


Figure 9

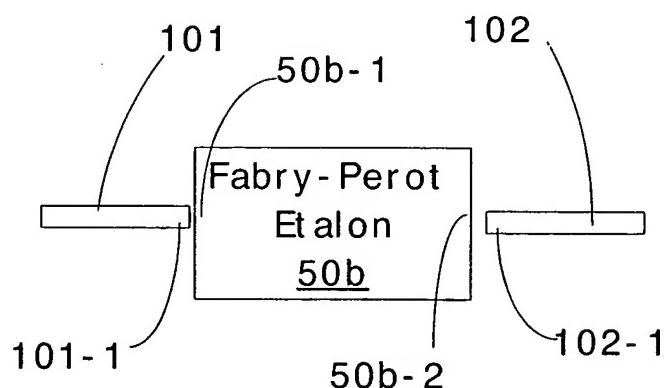


Figure 10

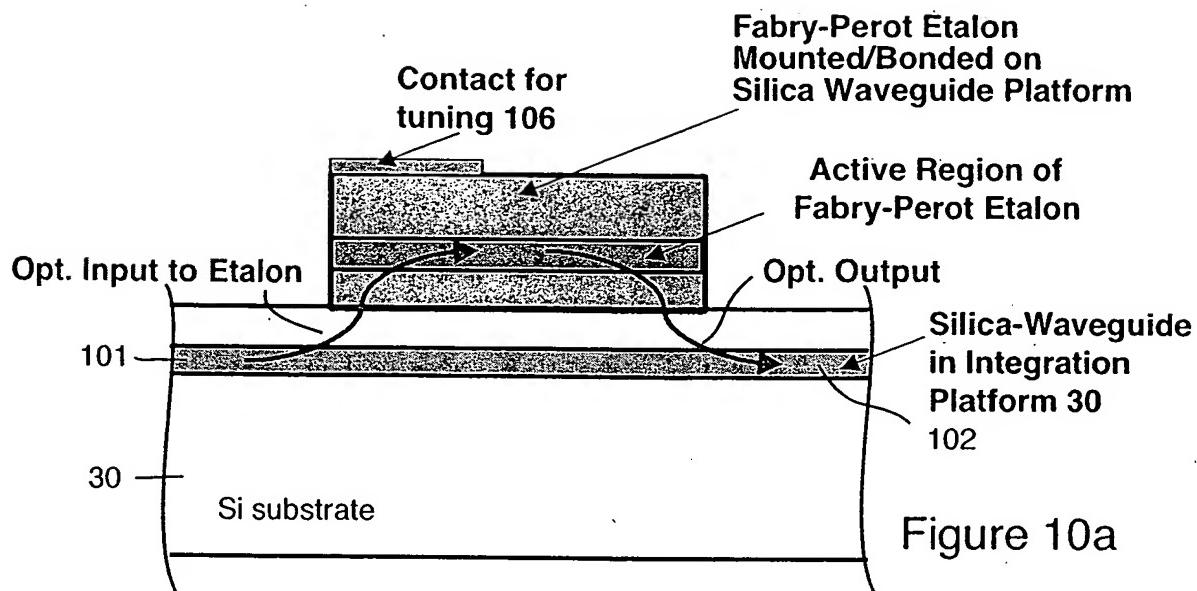


Figure 10a

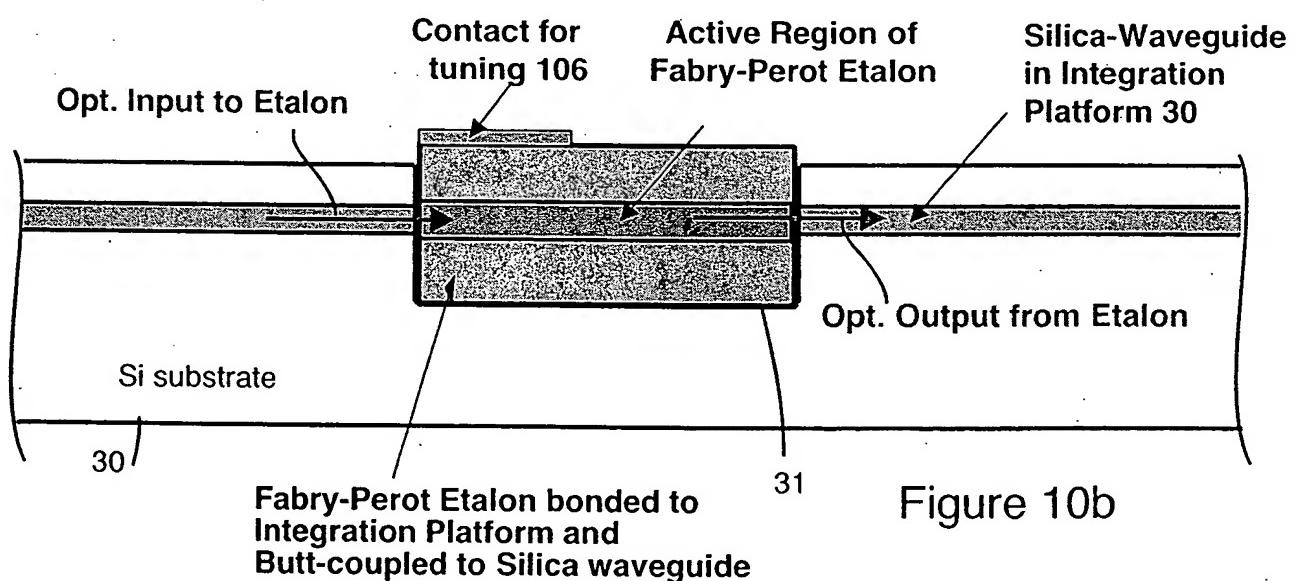


Figure 10b

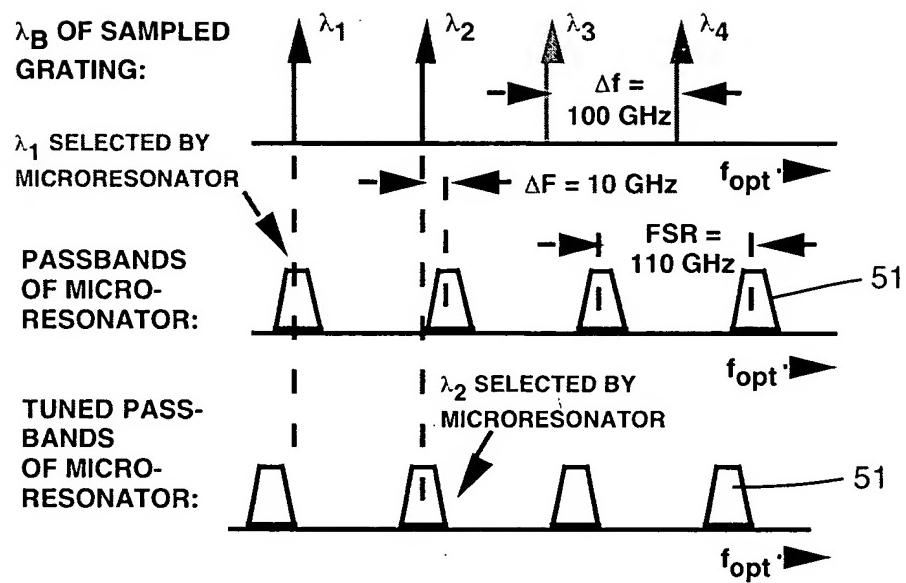
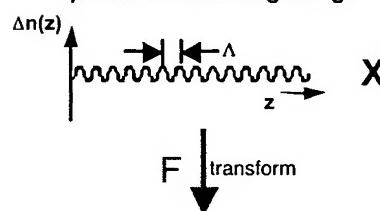


Figure 11

Fig. 12a

Refractive index  $\Delta n(z)$   
profile of uniform grating:



Spatial frequency ( $f_s$ )  
spectrum for uniform  
grating:

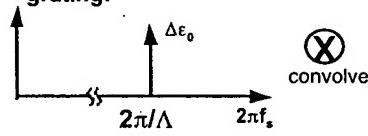
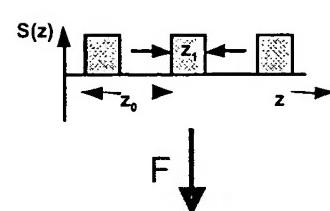


Fig. 12d

Fig. 12b

Sampling function:



Spatial frequency spectrum  
for Sampling function:

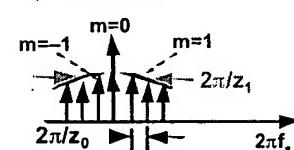
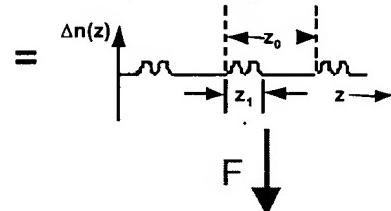


Fig. 12e

Fig. 12c

Resulting index  $\Delta n(z)$  profile  
of Sampled Grating:



Spatial frequency spectrum for  
resulting Sampled Grating:

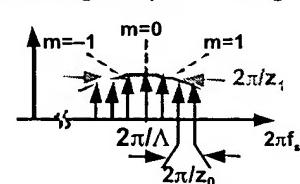


Fig. 12f

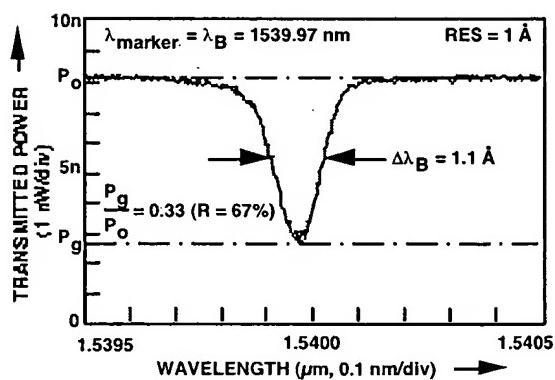


Figure 13a

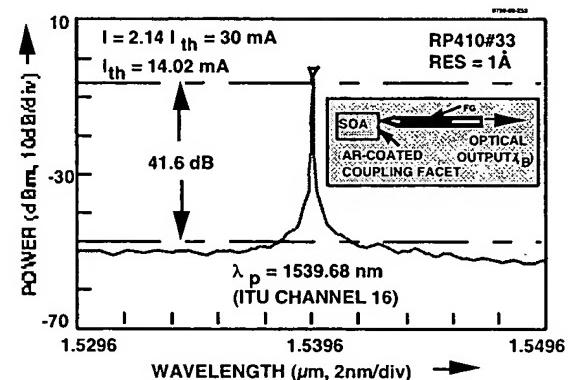


Figure 13b